

THE
Thurrock Urban District Council

ANNUAL REPORT


OF THE
Medical Officer of Health

INCLUDING THE REPORT OF THE

Chief Sanitary Inspector

For the Year 1948

GRAYS.
HIGGINS LTD., PRINTING CONTRACTORS
1949.



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URBAN DISTRICT OF THURROCK.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

*Medical Officer of Health
and Medical Superintendent, Thurrock Hospital:*
W. T. G. BOUL, M.B.E., M D., D.P.H., F.Z.S.

Assistant Medical Officer of Health:
W. WILSON, M.B., B.C.H., B.A.D., D.P.H.

Assistant Medical Superintendent, Thurrock Hospital (part time):
Dr. J. A. AITKEN

Matron, Thurrock Hospital: Miss E. D. DAVIES (1, 2, 3)

Health Visitors:

Miss E. C. MILLER (1, 2, 3, 4)	Miss E. DARRALL (1, 2, 3, 4)
„ A. POLLEY (1, 2, 3)	„ I. GIBSON
„ C. LANCEFIELD (1, 2, 3, 4)	„ I. Y. CHINN (1, 2, 3, 4)
„ M. HUGHES (1, 2, 3, 4)	

- | | |
|-----------------------|--------------------------------------|
| 1. General Trained. | 3. State Registered. |
| 2. Certified Midwife. | 4. New Health Visitors' Certificate. |

Matrons, Day Nurseries:

Nursery No. 1: Mrs. E. BROWN, S.R.N.
„ „ 2: Mrs. M. KEELEY, N.S.C.N.
„ „ 3: Mrs. G. MANN, S.R.N.

Chief Sanitary Inspector: L. CULLISS (1, 2, 3)

Officer under Rats and Mice Destruction Act, 1919. Inspector under
Shops Acts.

Deputy Chief Sanitary Inspector :

H. A. GOSLING (1, 2, 3)

Sanitary Inspectors :

R. A. BULL (1, 2, 3) L. H. ASH (1, 2)

F. H. MUMMERY (1, 2)

1. Indicates Certificate, Royal Sanitary Institute.
2. Certificate, Inspection of Meat and other Foods.
3. Certificate, Smoke Inspection.

Acting Chief Clerk : Mrs. D. SAYERS

Chief Clerk—Sanitary Inspectors' Department :

R. THOMPSON, D.P.A., M.R.I., P.H.H.

Clerk Thurrock Hospital : C. M. ANSELL.

Clerical Assistants :

Mrs. H. SMITH

Miss E. M. SMITH

Miss J. PEMBERTON

L. DANSIE

Mrs. I. BINCLIFFE

Mrs E. BROWNE

Mortuary Attendant : E. J. COSBY.

Pest Operative : C. McCANN (Resigned July, 1948)

D. W. BEADLE (Appt. Sept., 1948)

All the medical staff hold joint appointments as Assistant County Medical Officers to Essex County Council. The services of the Health Visitors are shared with Essex County Council as School Nurses.

THURROCK URBAN DISTRICT COUNCIL

PUBLIC HEALTH DEPARTMENT,
COUNCIL OFFICES,
GRAYS, ESSEX.

TO THE CHAIRMAN AND MEMBERS OF THE
THURROCK URBAN DISTRICT COUNCIL.

Ladies and Gentlemen,

I beg to present my Annual Report for the year 1948, and my twenty-fourth Annual Report for the district as a whole.

It will be appreciated that some portions of the Report only refer to the period January 1st to July 4th, as upon that date the Essex County Council under the National Health Service Act took over the administration of the Maternity and Child Welfare Services, Ambulance Service, etc.

Upon the same date the Thurrock Hospital, formerly administered by the Council, was transferred to the North Eastern Metropolitan Board. Various members of the staff, including the Medical Officers and Health Visitors, were transferred to the Essex County Council. The transfer appears to have gone smoothly and no major difficulties arose.

I am very much indebted to the whole of the members of the staff of the Public Health Department and should wish to place on record, for the information of the Council, my appreciation of the work they have carried out during the year under review. I should also like to place on record my gratitude for the continued support of members of the Council, and Officials of other departments.

I am,

Your obedient servant,

W. T. G. BOUL,

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Land Area (in acres)	..	...	...	40,601
Product of rd. Rate	...	...	£1,936	19 6
Estimated Population	...	...	...	75,680

EXTRACTS FROM VITAL STATISTICS.

	Thurrock	England & Wales
Birth Rate per 1000 estimated resident population ...	21.6	17.9
Death Rate per 1,000 estimated resident population ...	8.2	10.8
Death Rate of Infants under one year of age ...	23.8	34
Deaths from Suicide ...	9	
„ „ Road Traffic Accidents	6	
„ „ other violent causes	17	

CLINICS AND TREATMENT CENTRES.

CLINIC	ADDRESS.	SESSIONS.	REMARKS.
Maternity and Child Welfare	Aveley—Old Church Schools, High Street, Aveley ...	Fridays, 1.30—3.45 p.m.	Dried Milk, Foods, &c., sold at all sessions.
	Bulphan—Mothers and Children conveyed to Chadwell ...	Every Friday, 2—4 p.m.	
	Chadwell-St.-Mary—Welfare Centre, River View ...	Every Tuesday & Wednesday, 2—4 p.m.	
	Corringham—Rectory, Church Rd, Grays—Welfare Centre, The Park	Every Wednesday, 2—4 p.m.	
	Horndon—Mothers and Children conveyed to Chadwell ...	Every Tues., Wed. & Thurs., 2—4 p.m.	
	Little Thurrock—Baptist Church Hall, Premier Avenue ...	Every Friday, 2—4 p.m.	
	Linford—Community House, Bata Estate, East Tilbury ...	Mondays, 1.30—3.30 p.m.	
	Orsett—Mothers and Children conveyed to Chadwell ...	Every Tuesday, 2—4 p.m.	
	Purfleet & West Thurrock Welfare Centre, London Road	Every Friday, 2—4 p.m.	
	Stanford—St. Margaret's Hall ...	Every Tues. & Wed., 1.30—3.45 p.m.	
	South Ockendon—Congregational Church Hall ...	Every Tues. & Thurs., 2 p.m.—4 p.m.	
	Grays North Ward—Stifford ... Long Lane ...	Tuesday and Thursday, 2—4 p.m.	
	Tilbury—Old Manor Road ...	Thursdays, 2—3 p.m.	
		Tuesdays & Thursdays 1.30—4 p.m.	

CLINICS AND TREATMENT CENTRES—continued

Ante-Natal	Aveley ... Grays Little Thurrock Stanford Tilbury Chadwell Purfleet South Ockendon ... Grays (North Ward)	... ... ... ... ... ... ... ... ...	Every Thursday, 9.30—12 noon Every Mon. & Thurs. 9.30—12 noon Alternate Fridays, 9 to 11 a.m. Every Monday, 2—4 p.m. Monday (all day) Alternate Thursdays, 9—12 noon Alternate Wednesdays, 9.30—12 noon Mondays and Thursdays, 9—11 a.m. Tuesdays, 9—11 a.m.
Post-Natal	Grays—Welfare Centre	...	Alternate Fridays, 9.30—12 noon
Ante-Natal Exercises	Grays—North Ward	...	Wednesdays, 2 p.m.
Post-Natal Exercises	Grays—North Ward	...	Wednesdays, 2 p.m.
Scabies Clinic	Thurrock Hospital, Stifford Long Lane, Grays	..	Monday to Friday, 9.30—12 noon
Women's Welfare (Birth Control)	Grays—Welfare Centre	...	1st & 3rd Friday each month, 5—6 p.m.
Orthopaedic	Grays—North Ward	...	Every Wednesday, 2 p.m. (Tilbury 2199)
Tuberculosis Dispensary	Thurrock Hospital ...	...	Monday, Wednesday, Friday, 10—12 noon By appointment only

CLINICS AND TREATMENT CENTRES—continued

CLINIC.	ADDRESS.	SESSIONS.	REMARKS.
Diphtheria Immunisation Clinic	Grays—Welfare Centre, The Park Tilbury—See Welfare Centre Stanford—See Welfare Centre	Every Friday, 2—4 p.m. Every 4th Friday, 2 p.m. 3rd Tuesday, 10 a.m.	By appointment only.
Ultra Violet Light Clinic.	Grays—Welfare Centre, The Park	Tuesdays & Fridays, 9.45 a.m.	By appointment only.
Eye Clinic	Grays—Glasson House, High Street	Every Thursday, 10—1 p.m. 1.30—4 p.m.	By Appointment only
Dental Clinic	Grays—Glasson House, High Street	Daily Consultations—Thursdays 10.30 a.m.	By Appointment only
School Clinics	Grays—Glasson House, High Street Tilbury—Welfare Centre Aveley—Secondary School " Junior School Stanford—Council School South Ockendon	Minor Ailments, Daily 9 a.m., except Thurs. Inspections, every Wed., 9.30 Minor Ailments—Tues. & Fri, 9 a.m. Tuesday, 10 a.m. Friday, 10 a.m. Minor Ailments—Mon. & Thur. 9 a.m. Monday, 11—12 noon	Provided by Essex County Council. Closed during School holidays.
Venereal Diseases	Tilbury Hospital Gravesend—22 Cobham Street...	Tuesday, 11 a.m.—1 p.m. Friday, 3 p.m.—5 p.m. Monday, Wednesday and Friday: Women, 9—12 noon, 2—4 p.m.; Men, 6 p.m.—7 p.m. Tuesday: Men, 10.30 a.m.—12.30; 6—7 p.m.; Women, 1—2 p.m. Thursday: Women, 2—3.45 p.m.; Men, 3.45 to 5 p.m. Saturday: Women, 9.30—12 noon; Men, 1—2 p.m.	Provided by Kent County Council. Essex patients may attend free of charge.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES
IN THE AREA.

1. (i) PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

These are set out at the commencement of this Report.

(ii) (a) LABORATORY FACILITIES.

The District is now supplied, under the Bacteriological Service for this area, at St. Andrew's Hospital, Billericay.

The services, which are available, cover those which are normally provided by a Pathological Department.

(ii) (b) AMBULANCE SERVICE (Phone: Tilbury 2000 and 2828).

The facilities offered by the Thurrock Council's Service are proceeding according to plan.

2001, patients made use of the facilities available, 46,424 miles being covered.

(ii) (c) NURSING IN THE HOME.

There are within the district eight Nursing Associations serving South Ockendon, Aveley, Purfleet, West Thurrock, Grays, Stifford, Little Thurrock, Chadwell-St.-Mary, Tilbury, Stanford-le-Hope and Bulphan. In addition, the Grays Medical Comforts Committee continued its useful work during the year.

(ii) (d) HOSPITALS—PUBLIC AND VOLUNTARY.

The following hospitals exist in the Urban District: Seamen's Hospital, Tilbury (general); Orsett Lodge Hospital (Essex County Council and general); Thurrock Hospital (infectious diseases and tuberculosis).

Thurrock I.D. Hospital (Infectious Diseases only).

The following tables show the admissions and discharges during 1948.

	In Hosp. Jan. 1st	Admitted	Discharged	Deaths	Remaining in Hosp. 4/7/48
Scarlet Fever	2	22	20	1	3
Diphtheria ...	12	3	14	1	—
Measles ...	2	9	9	—	2
Pneumonia (Lobar)	13	64	69	5	3
Gastro-Enteritis	2	6	6	2	—
Tonsillitis ...	—	14	13	—	1
Meningitis ...	1	5	5	—	1
Glandular Fever	—	34	29	1	4
Gastritis ...	1	1	2	—	—
Measles and Scarlatina ..	1	1	2	—	—
Strp. Infection	1	4	3	—	2
Septic Abortion	—	1	1	—	—
Hemiplegia ...	—	1	1	—	—
Erysipelas ...	—	3	3	—	—
Rheumatic Fever	—	1	1	—	—
Whooping Cough and Pneumonia	—	2	2	—	—
Chicken Pox	—	1	1	—	—
Rheumatism	—	1	1	—	—
Otitis Media	—	2	2	—	—
Bronchitis ...	—	1	1	—	—
No specific Disease	—	5	4	1	—
Mother with baby	—	2	2	—	—
Hepatic Abscess	—	1	1	—	—
Quinsey ...	—	4	4	—	—
Sub-Arachnoid Haemorrhage ...	—	1	1	—	—
Measles and Pneumonia	—	2	2	—	—
Pharyngitis	—	1	1	—	—
Anthrax ...	—	1	1	—	—
Whooping Cough	—	1	1	—	—
Mumps ...	—	2	2	—	—
Deep seated Abscess of leg	—	1	1	—	—
Abdominal Tumour	—	1	1	—	—
Croup ...	—	1	1	—	—
Jaundice ...	—	1	1	—	—
Pulmonary Tuberculosis	—	1	—	1	—
Diabetes ...	—	1	1	—	—
Empyema ...	—	1	—	—	1
Abscess ...	—	1	—	—	1
	35	204	209	12	18

THURROCK I.D. HOSPITAL.

AVERAGE NUMBER OF PATIENTS IN HOSPITAL, IN 1948.

			Infectious Diseases	Sanatorium
January	...	...	35	48
February	...	...	37	48
March	...	...	21	48
April	...	...	20	48
May	...	...	19	48
June	...	...	17	48
July (up to 4th)	...	...	17	48

Approximate mileage covered by Hospital Van : 4,000.

MATERNITY AND CHILD WELFARE.

(i) *Midwifery and Maternity Services.*

Employed by Thurrock U.D.C.	...	...	13
„ „ Voluntary Nursing Associations	...	...	6

The following details relate to work performed by the Council's midwives :—

Confinements attended	399
-----------------------	-----	-----	-----

Visits paid as midwives :—

(a) ante-natal	...	...	...	1640
(b) post-natal	...	...	...	4576

Visits paid as maternity nurses : —

(a) ante-natal	...	...	...	583
(b) post-natal	...	...	...	2031

(ii) *Institutional provisions for Mothers and Children :*

The Council has agreements with the following hospitals for the reception of maternity patients:—

- (a) suffering from complications occurring before, during or after confinement, and
- (b) whose home conditions or other circumstances render hospital treatment necessary.

			ADMISSIONS
Oldchurch Hospital, Romford	...	...	82
St. John's Hospital, Chelmsford	..	...	57
Orsett Lodge Hospital, Orsett	...	...	164
Rush Green Hospital, Romford	...	...	6
Brooklands Nursing Home, Chelmsford		...	2
Southend Municipal Hospital, Rochford		...	1

(iii) *Health Visitors.*

These are enumerated in the list of officers at the front of this report.

VISITS PAID BY HEALTH VISITORS.

	First Visits	Re-Visits	Total Visits
To expectant mothers	... 98	89	187
To children under 1 year	... 891	1257	2148
To children aged 1-5 years	... 169	1434	1603
Infant Life Protection visits	... 79		
Miscellaneous visits	... 305		

WOMEN'S WELFARE CLINIC.—

Sessions held	...	...	...	6
New patients	...	...	...	42
Total Attendances	..	...	...	113

POST NATAL CLINIC.

Sessions held	...	...	12
New Patients	..	...	66
Total attendances	...	...	89

ULTRA VIOLET LIGHT CLINIC.

Sessions held ... 74.

Treatments—

(a) Children 1454

(b) Adults: Ante-natal 37
Post-natal 62

INFANT WELFARE CENTRES.

Centre	Sessions held	First Attendances		Total Attendances	
		Under 1 year	1-5 years	Under 1 year	1-5 years
Aveley	18	45	17	713	237
†Bulphan	25	8	2	82	19
Chadwell-St.-Mary	52	59	10	1222	769
Corringham ...	26	32	1	675	334
Grays	77	145	10	3265	1175
†Horndon	25	10	1	77	123
†Linford	25	35	5	759	329
Little Thurrock	24	52	2	1425	516
†Orsett	25	8	—	46	23
Purfleet and West Thurrock Combined	62	29	3	1046	462
Stanford-le-Hope...	53	42	42	1320	425
South Ockendon ...	46	88	50	1296	985
Tilbury	52	127	15	1438	345
Grays North Ward	27	49	6	1052	644

† Conveyed to Chadwell Welfare Centre.

ANTE-NATAL CLINICS.

Centre			Sessions Held	Total Attendances	New Patients
Aveley ...	...	...	13	189	33
Grays ...	...	...	45	915	172
Little Thurrock ...	...	...	26	285	52
Stanford-le-Hope...	...	...	23	378	88
Tilbury ...	...	...	50	571	144
West Thurrock and Purfleet ...	...	...	15	296	58
Grays North Ward	...	...	26	218	49
Chadwell St. Mary	...	...	12	190	40
South Ockendon ...	...	...	22	481	73

(iv) CHILD LIFE PROTECTION.

Foster Mothers on register	...	...	7
Infants on register	...	...	7

(v) DENTAL TREATMENT. ORTHOPAEDIC TREATMENT.

These facilities have been described fully in previous reports and no changes have occurred.

(vi) DAY NURSERIES.

The Council maintain three Day Nurseries. No. 1, Palmer's Avenue, Grays; No. 2, London Road, West Thurrock; No. 3, Whitehall Lane, Grays.

During the period 1.1.49 to 4.7.49, the accommodation was as follows :—

Nursery No. 1	...	...	50
„ No. 2	...	...	60
„ No. 3	...	...	50

The average number on books at each Nursery was as follows :—

Nursery No. 1	...	...	50
Nursery No. 2	...	...	60
Nursery No. 3	...	...	50

(vii) CLEANLINESS.

During the year under review, all steps have been taken to improve the general standard of cleanliness. Special efforts have been made by the Health Visitors in Welfare Centres, and in Home Visiting to deal with the problem, and the Council have one special clinic available for the treatment of Scabies. The times of this clinic are outlined in a previous portion of this report.

The address of the clinic is at Thurrock Hospital.

SANITARY CIRCUMSTANCES OF THE AREA.

SECTION C.

WATER.

The principal sources of supply have been enumerated in previous reports and no alteration in the same has occurred during the year. The Department has an arrangement with the South Essex Waterworks Company whereby the latter are notified immediately of the occurrence of any case of Typhoid Fever, in order that a sample of water may be taken from the household's supply.

CLOSET ACCOMMODATION.

There are 589 cesspools and 640 pail closets and 1 privy midden, and these are being converted as the opportunity arises.

SANITARY INSPECTION OF THE AREA.

The following report has been furnished to me by the Chief Sanitary Inspector in accordance with Article 27 (18) of the Sanitary Officers (Outside London) Regulations, 1935.

	Visits paid
Dwelling Houses	5682
Housing Act, 1936(Overcrowding) ...	107
Infectious Disease	375
Caravans	20
Factories (Mechanical)	62
Factories (Non-Mechanical)	18
Workplaces	3
Outworkers	24
Bakehouses	23
Cowsheds, Dairies and Milkshops ...	85
Fried Fish Shops	3
Butchers' Shops	6
Common Lodging Houses	3
Precipitation Samples	301
Refuse Tips and Accumulations	56
Slaughterhouses	135
Knackers Yards	19
Ice Cream Premises	101
Stables and Pig Styes	9
Samples—Milk	488
Samples—Ice Cream	134
Samples—Water	29
Samples—Swimming Baths	14
Samples—Rinsings (Milk Vessels) ...	2
Rat Suppression	1976
Food Preparation Premises	200
Dustbins	634
Schools	2
Food Sampling	440
Food Inspection	266
Shops Acts 1912-1936	60
Food Poisoning	10
Miscellaneous	1578

MILK PRODUCTION.

The number of milk producing farms in this district is 48, and of this number 39 are licensed to produce designated milk.

Retail Dairies and Milkshops.

There are within the area 22 registered dairies as defined by the Milk and Dairies Order, 1926, and 70 registered persons who retail milk in the sealed receptacles in which it is received at the premises. In addition to the foregoing, three outside firms carry on a vehicular trade within the district.

Improvements to Dairies.

The following improvements to dairies were effected during the year :—

New dairies...	...	...	3
New Heat treatment plants	...	...	2
New refrigerators	...	...	1
New mechanical bottling machines	...	...	1
New bottle washing machines	...	...	1
Floors repaired	...	...	1
Dairies limewashed	...	...	1

Milk (Special Designations) Regulations, 1936-46.

Number of dealers licensed to sell :—

(a) Tuberculin Tested Milk	...	13
(b) Accredited Milk	...	1
(c) Pasteurised Milk	...	14

Number of licensed bottling establishments in connection with Tuberculin Tested Milk ... 2

Pasteurising Plants.

There is one pasteurising plant in the district, with a capacity of 500 gallons per hour. A second plant in process of being established is likely to commence production at the beginning of 1949.

In connection with the established plant, samples are taken fortnightly. In regard to the one about to be established, samples are being taken at least weekly.

Heat-Treatment Plants.

There are four premises licensed by the Ministry of Food in connection with the heat-treatment of milk.

Samples (Heat Treated).

90 samples of heat-treated milk were taken, of which fifteen samples were shown to be unsatisfactory as under :—

Greater than 2.3 L.B.U., but less than 6.0 L.B.U.	...	7
6.0 L.B.U., or greater	... ..	8

It will be seen, therefore, that the number sampled produced a percentage of failures of 16.6.

Samples (Tuberculin Tested).

76 samples of Tuberculin Tested Milk were taken, of which seven samples were shown to be unsatisfactory as under :—

Failed methylene blue test	...	...	...	7
Failed coliform test	...	...	...	Nil

The percentage of failures here was 9.2%, and in connection therewith it should be noted that all these failures occurred during the two hottest months.

Samples (Pasteurised)

104 samples of pasteurised milk were taken, and of this number six samples were shown to be unsatisfactory as under :—

Greater than 2.3 L.B.U., but less than 6.0 L.B.U.	...	2
6.0 L.B.U. or greater	... ..	4

The percentage of failures here was 5.7.

Samples (Accredited).

20 samples of Accredited Milk were taken, of which one sample was shown to be unsatisfactory. This sample was taken from a very well conducted farm during the month of August. It transpired that the refrigerator had broken down, and it was felt that this was the cause of the trouble.

Samples (Ungraded).

115 samples of ungraded milk were taken, and ten samples were shown to be unsatisfactory as under :—

Failed coliform test	...	...	...	2
Failed bacterial count	...	...	...	7
Failed coliform test and bacterial count	...	...	...	1

The percentage of failures here was 8.7.

Samples (Rinsings).

2 samples were taken during the year, and both proved to be satisfactory.

TUBERCULOSIS.

Milk—Biological Tests. Food and Drugs Act, 1938, Section 68.

55 samples were taken and submitted to the Biological Test. All samples were shown to be negative, with the exception of one which was not determined the guinea pig having died prematurely. The subsequent sample was negative.

ATMOSPHERIC POLLUTION.

At the invitation of, and in collaboration with the local authorities South of the Thames, precipitation trays were placed at 20 points throughout the Urban District, with a view to the collection of atmospheric dust particles for submission by those authorities to an Analyst for the purpose of determining the amount of atmospheric pollution within the area.

The tests were not in continuous sequence, but were undertaken at the request of the other authorities on days and nights which seemed to them to be most suitable, the determining factor being the possibility of the absence of rain and high wind. Altogether ten exposures were made. No doubt a report on these results will be forthcoming at the appropriate time.

WATER SAMPLES.

Fourteen samples of water were taken during the year from the South Essex Waterworks Company's mains and submitted for bacteriological examination. All the samples were shown to be satisfactory. Three samples were also taken from the same source and submitted for chemical examination. The hardness in each case was as follows:—

Sample No. 1—Total hardness 265 parts per million (170 temporary and 95 permanent).

Sample No. 2—Total hardness 240 parts per million (170 temporary and 70 permanent).

Sample No. 3—Total hardness 230 parts per million (170 temporary and 60 permanent).

In addition to the foregoing, five samples were taken from private wells, and of this number one sample proved to be unsatisfactory. This sample was taken from a well serving five houses, and the occupiers and the owner were immediately informed that the water must not be used for drinking or domestic purposes

unless previously boiled. A notice to this effect was also placed over the pump from which the water was drawn. The owner of the cottages was also approached with a view to connecting up the cottages to a nearby private main. This he elected to do, and the cottages will shortly be supplied by standpipe.

Public Swimming Bath and School Swimming Baths.

Fifteen samples were taken during the season, and of these one sample was shown to be unsatisfactory. This sample was in connection with the swimming bath at a school. On investigation, it was discovered that it was the custom to completely change the water in the bath once per fortnight, and it was alleged that the sample was taken just prior to the date for changing the water. However, the school managers decided to change the water once per week.

STATISTICS—WATER.

1. (a) The water supply of the area has been satisfactory in quality with one exception in that a well supplying six houses was shown to be unsatisfactory.
 (b) There was no real shortage of water in any part of the area during the year.
2. A detailed report on the bacteriological examination of water supplied will be found under the heading "Water Samples."
3. There is no domestic water supply in the area liable to plumbosolvent action.
4. Action taken by the Department in connection with one unsatisfactory sample of well water has been previously described.
5. (a) Number of dwelling-houses supplied from public
 water mains direct to the houses 20,675
 Number of population so served 75,361
 (b) Number of houses supplied from public water
 mains by means of standpipes 29
 Estimated number of population so served ... 101
 (c) Estimated number of population served by wells
 or stored rainwater 189

MEAT INSPECTION.
Carcases Inspected and Condemned.

		Cattle excluding Cows	Cows	Calves	Sheep & Lambs	Pigs
Number killed	...	Nil	Nil	Nil	3	112
Number inspected	...	Nil	Nil	Nil	3	112
All diseases, except Tuberculosis.						
Whole carcases condemned	...	Nil	Nil	Nil	1	Nil
Carcases of which some part or organ was condemned	...	Nil	Nil	Nil	Nil	Nil
Percentage of the number inspected affected with disease other than Tuberculosis	...	Nil	Nil	Nil	33.3%	Nil
TUBERCULOSIS ONLY.						
Whole carcases condemned	...	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or organ was condemned	...	Nil	Nil	Nil	Nil	Nil
Percentage of the number inspected affected with Tuberculosis	...	Nil	Nil	Nil	Nil	Nil

Unsound Meat Surrendered.

70lbs. of meat were confiscated, being the moribund carcase of a sheep.

Slaughterhouses.

There are no registered slaughterhouses in the area, but there are nine licenced slaughterhouses. No regular slaughtering now occurs, the licensed slaughterhouses being used in respect of home-fed pigs.

Knacker's Yards.

There is only one knacker's yard in the Council's Area, and this is frequently visited with a view to ascertaining any likely contravention of the Livestock (Restriction on Slaughtering) (No. 2) Order, 1940.

Slaughter of Animals Act, 1933.

A register of all licensed slaughtermen, pursuant to Section 3(1) of the above mentioned Act, is kept and the number so licensed is 18.

Miscellaneous Other Foods Surrendered.

Jam, etc. (tinned or bottled) ... 172	Custard powder ... 39 pkts.
Fruit (tinned) ... 241 tins	Vinegar (bottles)... 3 bottles
Milk (tinned) ... 1025 tins	Cordials (bottles)... 3 bottles
Fish (tinned) ... 376 tins	Coffee ... 1 lb.
Fish (wet) ... 6389 lbs.	Cocoa ... 2½ lbs.
Tomatoes and tomato juice ... 66 tins	Rice ... 8 lbs.
Fruit juices (tinned) ... 49 tins	Flour ... 13 lbs.
Corned Beef ... 122 tins	Cornflour ... 11 pkts
Dried fruits ... 107½ lbs.	Fruit pudding (tinned) ... 3
Meat & Vegetables 28 tins	Eggs ... 36
Vegetables (tinned) 277 tins	Sugar ... 11 lbs.
Meat (tinned) ... 164 tins	Tea ... 4 lbs.
Meat ... 1168½ lbs.	Oxo's ... 300
Bacon ... 46 lbs.	Jellies ... 12 pkts.
Soups (tins or pkts.) 138	Dried peas ... 80 lbs.
Pastes (jars or tins) 203	Cereals ... 165 pkts.
Sweets ... 69½ lbs.	Sponge and cake mixtures ... 88 pkts.
Semolina ... 1 lb.	Chickens ... 152 lbs.
Suet ... 5½ lbs.	Sausages ... 35½ lbs.
Spaghetti ... 14 tins	Galantine ... 10½ lbs.
Sauce (bottles) ... 19 bottles	Potatoes (tins) ... 2 tins
Pickles (jars) ... 54 jars	Macaroni ... 1 lb.
Cheese ... 49 lbs.	Dried milk ... 6 tins
Cockles (jars) ... 30 jars	Butter ... 24 lbs.
Mussels (jars) ... 40 jars	Forcemeat ... 27 pkts.
Dried Egg (pkts.)... 16 pkts.	Cod liver oil ... 2 bottles
Potatoes (bags) ... 122 bags	Crumpets ... 3920
	Ice-cream ... 45 bricket's

It will be noted that an appreciable quantity of wet fish was condemned. In every instance the cause was decomposition occasioned by delay in transit.

The meat item of 1168 lbs. was comprised of different consignments of frozen meat affected with "bone taint."

SAMPLES -ICE-CREAM.

Eighty-six samples of ice-cream were taken and submitted for bacteriological examination. Of these, nine samples were shown to be unsatisfactory and one broken in transit.

Of the nine unsatisfactory samples, in three cases all further samples were shown to be unsatisfactory. In a further three cases the samples were taken from a shop at which the ice-cream was

manufactured from a cold mix. At the commencement of the investigation into this case, it was decided that a sample should be taken of the cold mix as purchased from the wholesaler and a further sample from the producer. Both samples were shown to be very unsatisfactory. Further investigations revealed that the wholesalers who operated from the London area were passing out their mix without having the same previously cooled to a temperature less than 45° F. The local authority concerned took the matter up with the wholesalers and this practice ceased. Further samples from the producer proved to be satisfactory.

Concerning the three remaining unsatisfactory samples, these also were taken from one producer. On the initial investigation, it was decided that a series of samples should be taken simultaneously covering the complete process of manufacture. From this it was discovered that the cooler was at fault, being unable to bring the pasteurised mix down to a temperature of 45° F. within the prescribed time. As a temporary measure until such time as the fault could be remedied, the firm were advised to pass the mix twice over the cooler. Further samples proved to be satisfactory.

VERMINOUS PREMISES.

Number of houses found to be infested	...	19
---------------------------------------	-----	----

The above figure does not include houses on the Council's estates which are supervised by the Council's Housing Department as a matter of routine.

(a) Methods employed for freeing infested houses from vermin :—

The spraying of all rooms and effects with a vermicide containing D.D.T.

(b) Methods employed for ensuring the belongings of prospective tenants of Council Houses are free from vermin :—

The belongings of prospective Council House tenants are inspected by the members of the Council's Housing Department. If vermin are found to be present, the tenant is not accepted until conditions have been remedied. The tenant is expected to carry out the work of cleansing or alternatively is carried out by the Local Authority at a cost of labour and materials plus 10% establishment charges.

(c) The disinfestation of private houses is carried out by the owners or occupiers under the supervision of the Local Authority. Facilities are offered by the Public Health Department whereby such disinfestation is carried out by them, and a charge is made for this service on a basis of cost plus 10% establishment charges.

SECTION D.

1. INSPECTION OF DWELLING HOUSES.

(1) (a)	Total number of dwelling-houses inspected for defects (under Public Health or Housing Acts) ...	1471
(b)	Number of inspections made for that purpose ...	5682
(2) (a)	Number of dwelling-houses (included under sub-head (1) above, which were inspected and recorded under Housing Consolidation Regulations, 1925)...	325
(b)	Number of inspections made for that purpose ...	1290
(3)	Number of dwelling-houses found to be unfit for human habitation, and not capable at a reasonable expense of being rendered fit ...	6
(4)	Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects fit for human habitation ...	1095

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers ...	597
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3. ACTION UNDER STATUTORY POWERS.

(A) *Proceedings under Section 9 of the Housing Act, 1936* :—

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs...	Nil
(2)	Number of dwelling-houses which were rendered fit after service of formal notices ...	Nil
(3)	Number of dwelling-houses in respect of which notices were served under the Council's Housing Byelaws ...	159
(4)	Number of dwelling-houses rendered fit as a result thereof ...	137

(B) *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...	...	...	442
(2) Number of dwelling-houses in which defects were remedied after service of formal notices (included those outstanding from 1947 :					
(a) By Owners	...	...	...	...	448
(b) By Local Authority in default of Owners				...	3

(C) *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of houses in respect of which Demolition Orders were made	...	...	...	4
(2) Number of houses demolished in pursuance of Demolition Orders	...	...	...	Nil
(3) Number of houses in respect of which undertakings not to re-let were accepted	...	...	...	2
(4) Number of houses in respect of which undertakings to render fit were accepted	...	...	...	Nil

(D) *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	Nil

LIST OF WORKS EXECUTED.

ROOMS :

Dampness remedied	...	...	...	265
Stripped, cleansed and redecorated	...	...	...	284
Plaster repaired ...	...	...	...	699
Floors repaired ...	...	...	...	164
Windows repaired, renewed or extended			...	520
Stoves repaired or renewed ...	...	...	...	132
Doors, locks, &c.	...	...	...	91
Vermin disinfested	...	...	...	119
Food stores ventilated and repaired	...	...	...	52

STAIRCASES :

Stripped and redecorated	...	...	...	41
Handrails fixed ...	...	..	...	76
Lighting provided	...	..	...	9
Repairs	...	..	..	32

SANITARY FITMENTS :

New sinks, &c. ...	...	..	...	19
Coppers provided or repaired		..	...	97
Pail closets abolished and water closets substituted...				2
Earth closets abolished and water closets substituted				4
Pail closets repaired	...	...	...	12
W.C.'s repaired ...	...	..	...	137
New pedestals provided	...	..	...	55
Waste pipes repaired or renewed		..	...	52
Soil or vent pipes repaired or renewed			...	11

DRAINS :

Unstopped or repaired	...	..	...	68
New drains	...	...	..	1
Gullies repaired or renewed ...			...	24
Inspection Chambers renewed or inserted			..	15

WATER SUPPLIES AND FITTINGS:

New services	...	...	...	6
Repaired or renewed	...	...	...	24

EXTERNAL WORKS:

Roofs repaired or renewed	...	...	...	347
Gutters and rainwater pipes repaired or renewed	...	...	...	181
Walls repaired or renewed	...	...	...	95
Yards paved or repaired	...	...	...	47
Dustbins provided	...	...	...	302
Accumulations removed	...	...	...	8
Miscellaneous	...	...	...	63

OVERCROWDING.

During the year 85 investigations were made from which it was ascertained that 25 cases of overcrowding occurred. These were referred to the Housing Department for Council Houses when available. Additional cases of overcrowding were discovered by the Housing Department in connection with investigations carried out under the Council's "Points" scheme regarding Council House applicants. The total number of cases of overcrowding abated by the Local Authority during the year was 236.

FACTORIES ACT, 1937.

Inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspec- tions	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ...	13	18	Nil	Nil
(ii) Factories not included in (i) above in which Section 7 is enforced by the Local Authority ...	136	62	9	Nil
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	Nil	Nil	Nil	Nil
	149	80	9	Nil

Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of Cases in which Prosecutions were instituted
	Found	Remedied	Referred to H.M. Inspector	by H.M. Inspector	
Want of cleanliness ...	1	1	—	—	—
Overcrowding ...	—	—	—	—	—
Unreasonable temperature ...	—	—	—	—	—
Inadequate ventilation ...	—	—	—	—	—
Ineffective drainage of floors ...	—	—	—	—	—
Sanitary Conveniences:—					
(a) Insufficient ...	2	1*	—	2	—
(b) Unsuitable or defective ...	3	3	—	—	—
(c) Not separate for sexes ...	1	1	—	1	—
Other offences against the Act (not including offences relating to Outwork) ...	4	4	—	2	—
	11	10	—	5	—

* Temporarily delayed pending approval under Town & Country Planning Acts.

OUTWORK.

A register of outworkers resident in the district is kept, and the number so registered is 23.

RATS AND MICE DESTRUCTION ACT, 1919.

THE INFESTATION ORDER, 1943.

No statutory procedure was resorted to during the year. The Pest Operative deals with all complaints of infestations as soon as they are made by the public. In connection with disinfestations, private dwelling-houses are treated free of cost, whilst trade premises are charged on a basis of total cost plus 10% establishment charges. In addition the Pest Operative carries out monthly treatments at the Council's sewage disposal works and refuse tips, and is available to assist the Engineer and Surveyor's Department when engaged on the treatment of sewers.

The following statistics are in connection with the work of the Pest Operative:—

Visits to Private Dwelling-houses	...	...	1386
Visits to Trade Premises, Refuse Tips and Sewage Works			548

Using the Ministry of Food's formula (i.e. bait in ozs. $\times 2\frac{1}{2}$) in estimation of the number of rats killed, it is shown that 2743 ozs. of poisoned bait were used, giving a total of 6857 rats exterminated.

FOOD AND DRUGS REPORT.

The following samples of food and drugs were taken during the year :—

Article	Informal Samples	Formal Samples	Genuine	Non-Genuine
Sausages	1	18	15	4
Sausage Meat		17	13	4
Milk		50	49	1
Gripe Water		1	1	
Lemonade crystals, etc.		5	5	
Gelatine		3	3	
Baking powder		3	3	
Fish paste		3	3	
Bicarbonate of soda		1	1	
Vinegar		9	9	
Gravy powder		1	1	
Jellies		4	4	
Butter		2	2	
Junket		1	1	
Luncheon meat, etc.		5	5	
Tea		4	4	
Dehydrated potatoes		1	1	
Sauce		4	4	
Cordials		3	3	
Flour		1	1	
Pickles		3	3	
Liquid paraffin		1	1	
Pepper		4	4	
Medicinal salts		1	1	
Margarine		3	3	
Saccharin tablets		1	1	
Cooking fat		4	4	
Cake mixture		2	2	
Beecham's pills		1	1	
Apple juice		1	1	
Parrish's food		1	1	
Soft drinks		2	2	
Cod liver oil and malt		1	1	
Liver sausage		1	1	
Castor oil		1	1	
Malted milk tablets		1	1	
Cinnamon		1	1	
Whale savouries		1	1	
Cereoca		2	2	
Candied peel		1	1	
Sweets		1	1	

Article	Informal Samples	Formal Samples	Genuine	Non-Genuine
Almond flavourings, etc.		4	4	
Sausage rolls		2	2	
Magnesia tablets		1	1	
Camphorated oil		1	1	
Wheat flakes		2	2	
Syrup of figs, etc.		3	3	
Indian brandee		1	1	
Throat tablets		2	2	
Olive oil		2	2	
Mineral oil	1	—	1	
Salad cream and oil		4	4	
Horseradish cream		1	1	
Nerve tablets		1	1	
Glycerine		1	1	
Glace cherries		1	1	
Dates		1	1	
Prepared stuffing		1	1	
Lemon, glycerine & honey		1	1	
Cereals		1	1	
Stuffing meat		1	1	
Cloves		1	1	
Mixed herbs		1	1	
Chocolate spread		1	1	
Whalemeat sausages		1	1	
Ginger		1	1	
Stomach powder		1	1	
Totals	2	208	201	9

This oil was low grade liquid paraffin, and whilst its sale to the public for culinary purposes was not illegal, informal representations excluded it from sale to the public.

NON-GENUINE SAMPLES.

In connection with the eight samples of sausages or sausage meat which were shown to be not genuine, in two instances warning letters were sent. In connection with the third sample, this was taken during the August recess of the Council, and it was decided to await the result of a further sample (which was also shown to be non-genuine). A fourth sample which was purchased as a sample of "sausages" was declared by the public analyst to be a non-specified food, and since there was no official standard, the matter was referred to the Ministry of Food (Food Labelling Division). In the remaining four instances legal proceedings were taken with results as follows.

In the case of the non-genuine sample of milk, this was also the subject of legal proceedings, and the result of this case is shown below :—

Cases in respect of which Legal proceeding were taken.

Offence	Result
1. Section 3, Food & Drugs Act, 1938. For selling beef sausages which were not of the nature, substance and quality demanded.	The defendant firm were fined £10, and their manager £5.
2. As above.	Case dismissed under the Probation of Offenders Act on payment of costs.
3. Section 3, Food & Drugs Act, 1938. For selling pork sausages which were not of the nature, substance and quality demanded.	The deficiency in this case was relatively small and the vendor's sample had been submitted to another public analyst who gave a very favourable report. It was felt, in the circumstances, that the best thing to do would be to withdraw the case, each side paying its own costs.
4. Section 3, Food & Drugs Act, 1938. For selling beef sausage meat which was not of the nature, substance and quality demanded.	A plea of guilty was entered, and a fine of £3 imposed.
5. Section 3, Food & Drugs Act, 1938. For selling new milk which was not of the nature, substance and quality demanded.	The defendant firm were fined 40/-.

LEGAL PROCEEDINGS.

In addition to those proceedings taken in connection with non-genuine samples of food and drugs, and outlined in this report under the heading "Food and Drugs Report," the following cases were taken during the year :—

Section 93, Public Health Act, 1936.

Three cases were taken under this Section, in connection with the owner's failure to abate a nuisance. In two instances, remedial measures had been carried out by the time of the hearing, and the cases were therefore withdrawn by the Council, on payment of the necessary Court Fees by the defendants. In the third case, the Court ruled that there was a doubt as to whether the defendant was the only owner, and notwithstanding the provisions contained in Section 97 of this Act, the case was dismissed.

Section 39, Public Health Act, 1936.

One case was taken under this Section, in connection with the owner's failure to repair a defective sinkwaste pipe. A fine of 40/- was imposed plus a penalty of 5/- for each day in which remedial measures were not carried out. The work was carried out within the limit of the court order.

Section 1, Shops Act, 1912.

Six cases were taken under this Section, concerning a cafe proprietor's failure to allow his assistants the requisite intervals for rest and meals. One case was withdrawn by the Council, and in each of the remaining five cases a fine of 10/- plus 7/- costs was imposed. The withdrawn case arose by virtue of the fact that the assistant on oath stated that she had made a mistake, and was not on duty on the day in question and was therefore not entitled to a rest interval.

Section 7, Shops Act, 1934.

Two cases were taken regarding the failure of a cafe proprietor to keep records of the hours of employment of young persons. A fine of £2 was imposed in each case.

Section 13, Shops Act, 1912 and 1934.

Two cases were taken concerning the concealment of young persons in contravention of the above Section. A total fine of £4 was imposed.

Section 13, Food and Drugs Act, 1938.

One case was taken against a cafe proprietor under this Section. The case involves four separate counts concerning the cafe proprietor's failure to cleanse walls and ceilings, floors and utensils of the food preparation room, and for permitting refuse to accumulate in the room. Fines totalling £17 were imposed.

FOOD POISONING OUTBREAKS.

No instance of food poisoning outbreaks was officially notified during the year. However, in December the Department's assistance was requested in the investigation of a suspected outbreak at Shell Haven, where a large firm of contractors was engaged on an extensive building programme.

It was alleged that there had been many cases of diarrhoea occurring among the workers after the consumption of food at the works canteen, but investigations showed that in only three cases could this be proved. A detailed history of past illness was taken from each member of the canteen staff, but this proved of no avail from the point of view of the discovery of the cause.

In the circumstances, therefore, and since no new cases had occurred during the period of investigation, the Department could take no further action, save insofar as the site engineer was given advice as to the steps which should be taken to ensure the cleanliness of the canteen and of the persons engaged in the preparation of food. A sample of stored water was taken and submitted for analysis, and this was shown to be quite satisfactory.

The premises concerned were of an improvised character, and are now abandoned in favour of a newly constructed modern canteen.

MEAT AND OTHER FOODS.

The information given below is intended to supplement the information given under specific headings in this report concerning action taken in regard to the inspection of all places where food is prepared and sold.

Number of notices served	...	...	42
Number of notices complied with	...	...	31

Improvements Effected.

Hot water supplies provided	...	...	7
Additional W.C.'s provided	...	...	1
New drains	...	...	1
New sinks and hand basins	...	...	8
Food preparation rooms cleansed	...	...	22
Impervious counters provided	...	...	6
Foodstores provided or cleansed	...	...	4
Refuse bins provided	...	...	4
Windows, floors, etc., cleansed or repaired	...	...	9

SHOPS ACTS, 1912-1936.

No instance of employment in excess of the statutory period was noted in connection with young persons throughout the year. As will be seen from the article on legal proceedings, proceedings were in fact taken in respect of failure to allow requisite periods for rest and meals in five cases, and in two cases where there was failure to keep records of the hours of employment of young persons, and a further two cases where there was concealment of two young persons.

In connection with the provision and display of notices, six written requests were made and six complied with.

Legislation in Force.

The following Acts and Orders are in operation within the Thurrock Urban District :—

The Shops Act, 1912.

The Shops Act, 1913.

The Shops (Hours of Closing) Act, 1928.

The Shops Act, 1934.

The Shops Act, 1936 (Libraries).

The Retail Meat Dealers Shops (Sunday Closing) Act, 1936.

The Shops (Sunday Trading Restrictions) Act, 1936.

Closing and Half-Holiday Orders.

1. The Grays Thurrock Weekly Half-Holiday (No. 2) Order, 1913.
2. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1913.
3. The Grays Thurrock Extension of Weekly Half-Holiday (No. 1) Order, 1913.
4. The Stanford-le-Hope Weekly Half-Holiday Order, 1913.
5. The Stanford-le-Hope Extension of Weekly Half-Holiday (No. 1) Order, 1913.
6. The County of Essex (Shops Exemption) (No. 5) Order, 1913.
7. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
8. The County of Essex (Shops Exemption) (No. 8) Order, 1914.

9. The South Ockendon Weekly Half-Holiday (No. 2) Order, 1914.
10. The South Ockendon Weekly Half-Holiday Order, 1914.
11. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1915.
12. The Tilbury Weekly Half-Holiday (No. 1) Order, 1917.
13. The Tilbury Hairdressers Closing Order, 1917.
14. The Grays Thurrock Closing Order, 1917.
15. The Grays Thurrock Closing Order, 1922.
16. The West Thurrock Tobacconists (Hours of Closing Order), 1929.
17. The Lambourne and Stifford Tobacconists (Hours of Closing Order), 1929.
18. The Little Thurrock Tobacconists (Hours of Closing Order), 1930.
19. The Thurrock Urban District Shops (Sunday Trading Restrictions) Act, 1936, Order No. 1.

L. CULLISS,
Chief Sanitary Inspector.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS
AND OTHER DISEASES.

NOTIFIABLE DISEASES.

DISEASES		Notified	Hospital	Deaths
Scarlet Fever	...	123 (4)	51	1
Dysentery	...	11	2	—
Pneumonia	...	129 (2)	95	5
Diphtheria	...	29 (24)	29	2
Whooping Cough and Pneumonia...		2	2	—
Erysipelas & Pneumonia		1	1	—
Meningitis	...	3	3	—
Measles and Pneumonia...		3	3	—
Infective Hepatitis	...	10	2	—
Whooping Cough and Mumps...		1	1	—
Chicken Pox	...	4	—	—
Pneumonia & Pleurisy	...	1	1	—
Poleomyelitis	...	2 (1)	2	—
Measles	...	420	10	—
Whooping Cough	...	161	2	—
Erysipelas	...	11	2	—
Pemphigus Neonatorum		1	—	—
Puerperal Pyrexia	...	6	6	—
Gastro-Enteritis		5	5	—

Figures marked () indicate diagnosis not confirmed.

AGE GROUPS, 1948.

DISEASE	Under 1 year	1-2 yrs.	2-3 yrs.	3-4 yrs.	4-5 yrs.	5-10 yrs.	10-15 yrs.	15-20 yrs.	20-35 yrs.	35-45 yrs.	45-65 yrs.	65 yrs. up.	Total
Scarlet Fever	...	6	8	9	11	52	22	9	4	3	...	...	124
Diphtheria	...	...	...	...	1	3	1	...	2	...	...	...	7
Infective Hepatitis	...	...	1	2	1	1	...	...	3	1	...	...	9
Puerperal Pyrexia	...	...	...	...	...	...	...	...	4	2	...	...	6
Pneumonia	17	9	6	2	8	9	5	5	18	17	22	14	132
Anthrax	...	...	...	...	...	...	...	...	1	...	...	...	1
Dysentery	...	...	3	...	...	...	...	...	8	3	...	...	14
Erysipelas	...	...	...	...	...	1	...	...	2	1	5	4	13
Meningitis	3	...	...	...	...	...	...	2	1	...	...	...	6
Pemphigus Neonatorum	1	...	...	...	...	...	...	...	...	...	...	...	1
Whooping Cough	26	30	27	17	24	55	6	...	...	...	...	...	185
Measles	14	54	47	51	55	174	6	2	3	...	2	...	408
Poliomyelitis	1	...	...	...	1	...	...	...	...	...	...	...	2
Gastro-Enteritis	2	2	...	...	...	...	...	...	...	...	...	...	4
Chickenpox	...	1	2	...	2	2	...	...	1	...	...	...	8
Glandular Fever	...	...	...	1	...	1	...	...	1	...	...	...	3

Diphtheria Immunisation Clinics :

Sessions held ...	...	...	...	40
Number of children treated between 1st Jan. and 4th July, 1948	...	...	...	2,215

Supplies of A.P.T. are obtained from the Ministry of Health's Laboratory, London Hospital.

No use has been made of measles serum for prophylaxis or attenuation.

*Public Health (Prevention of Tuberculosis) Regulations, 1925.**Public Health Act, 1936, Section 172.*

No action was taken under the above headings.

TUBERCULOSIS.

NEW CASES AND MORTALITY.

Age periods	New Cases				Deaths			
	Respiratory		Non-Resp'ry		Respiratory		Non-Resp'ry	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	...	...	...	...	...	...
1-5 years	3	...	4	...	...	...	...	...
5-15 "	3	3	6	2	...	1	...	...
15-25 "	15	13	1	...	3	4	...	...
25-35 "	9	11	2	...	1	1	...	...
35-45 "	5	5	1	...	1	...	...	...
45-55 "	8	...	...	1	1	...	...	...
55-65 "	4	2	...	2	...	...	...	...
65 " } upwards }	2	1	...	...	...	...	...	...
Totals	49	35	14	5	6	6	...	...

